

Figure 9.2. INVESTIGATING STATISTICAL RELATIONSHIPS**Section headings to provide a content overview**

1. Investigating Statistical Relationships – Changing and Comparing
2. Comparison Error – Lurking Variates and Confounding
3. Association – Statistical Issues
4. Causation – Statistical Issues
5. Association Among Variates and Causation
6. Investigating Statistical Relationships – Three Types of Causal Questions
7. Terminology for Comparative Plans – The Protocol for Choosing Groups
8. Plan Components to Manage Comparison Error
9. Experimental Plans – Sample selecting and Blocking
10. Observational Plans – Sample selecting, Matching and Subdividing
11. Comparative Plans and Causal Structures
12. Comparative Plans – The Protocol for Setting Levels and Interaction
13. Experimental Plans – Quantifying a Treatment Effect Under EPA
14. Observational Plans – The Confounding Effect
15. Comparison Error in Experimental and Observational Plans
16. Appendix 1: Lurking Variates – Scatter Diagrams
17. Appendix 2: Scatter Diagrams – Pearson's Parent-Child Data (reconstructed)
18. Appendix 3: Equiprobable Selecting
19. Appendix 4: Limitations on Answers from Observational Plans

Eleven tables

Thirty-nine diagrams

Five equations